Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/18/2018 10:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125826	0	1.25	125683	1.26
Blue	F	SSC	125000	123911	-1	2.47	124265	2.23
Blue	E	FITC	23615	22724	-4	2.46	1009	10.46
Blue	D	PE	26739	26500	-1	1.95	954	9.81
Blue	B	PerCP-Cy5-5	48339	47559	-2	3.29	1365	17.37
Blue	A	PE-Cy7	45021	44268	-2	5.01	689	36.41
Red	C	APC	53064	52230	-2	2.72	3013	9.55
Red	A	APC-Cy7	57175	56546	-2	2.61	1170	11.40
Violet	B	V450	14728	14128	-5	5.43	677	9.56
Violet	A	V500	58621	56670	-4	5.32	2505	7.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20043	2.15	610	-4	N/A	N/A	Pass
Blue	F	SSC	61474	1.44	554	8	N/A	N/A	Pass
Blue	E	FITC	115	37.93	547	-1	0.0197	83	Pass
Blue	D	PE	209	29.46	538	2	0.1629	266	Pass
Blue	B	PerCP-Cy5-5	216	46.04	637	2	0.0095	98	Pass
Blue	A	PE-Cy7	73	124.00	695	2	0.0112	16	Pass
Red	C	APC	347	28.45	599	2	0.0198	83	Pass
Red	A	APC-Cy7	128	41.78	583	3	0.0053	1736	Pass
Violet	B	V450	82	41.65	465	-5	0.0497	2009	Pass
Violet	A	V500	183	21.71	492	-5	0.0175	540	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.50	-31.19	0.93
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.03	14.40 - 21.60	N/A	N/A	31.22	31.48	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14189

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments